

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

1fw  
Docket No.  
HOI-14402/16

In Re Application Of: Sorensen et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/563,976	1/9/2006	Unknown	25006	Unknown	5610

Title: **PREDICTING MEMBER TOWARDS PNEUMOCOCCUS SURFACE ADHESIN A PROTEIN (PsaA)**



Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

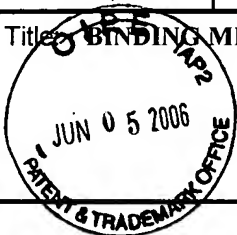
**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
HOI-14402/16

In Re Application: Sorensen et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/563,976	1/9/2006	Unknown	25006	Unknown	5610

Title: **BINDING MEMBER TOWARDS PNEUMOCOCCUS SURFACE ADHESIN A PROTEIN (PsaA)**



**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 07-1180 as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Typed or Printed Name of Person Signing Certificate

\*This certificate may only be used if paying by deposit account.

**Certificate of Mailing by First Class Mail**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

May 31, 2006  
(Date)

*Maureen M. Charlebois*  
Signature of Person Mailing Correspondence

Maureen M. Charlebois  
Typed or Printed Name of Person Mailing Certificate

Dated: May 31, 2006

*Ronald W. Citkowski*  
Signature

Ronald W. Citkowski, Reg. No. 31,005  
Gifford, Krass, Groh, Sprinkle,  
Anderson & Citkowski, P.C.  
P. O. Box 7021  
Troy, MI 48007-7021  
(248) 647-6000

CC:

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

JUN 05 2006  
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 5,686,070	11/11/1997	Doerschuk et al.			

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		WO 02/0902017 A2	21/11/2002	WIPO				
		WO 02/079254 A1	10/10/2002	WIPO				

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
		ALEXANDER, "Immunization of mice with pneumolysin toxoid confers a significant degree of protection against at least nine serotypes of Streptococcus pneumoniae", Infection and Immunity, Dec., 1994, p. 5683-5688.
		ALONSODEVELASCO, "Streptococcus pneumoniae: Virulence Factors, Pathogenesis, and Vaccines", Microbiological Reviews, Dec. 1995, p. 591-603.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS		<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
		Anonymous, "Acute Respiratory Infections in Under-fives: 15 Million Deaths a Year", The Lancet, Sept. 28, 1985, 2:699-701
		AU et al., "Evaluation of the Role of the Pneumococcal Forssman Antigen (F-Polysaccharide) in the Cross-Serotype Protection Induced by Pneumococcal Subcellular Preparations", Infection and Immunity, Jan. 1981, p. 169-173, Vol. 31, No. 1.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HOI-14402/16

Application Number

10/563,976

Applicant(s)

Sorensen et al.

Filing Date

1/9/2006

Group Art Unit

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		BERRY et al., "Contribution of Autolysin to Virulence of Streptococcus pneumoniae", Infection and Immunity, August 1989, p. 2324-2330, Vol 57, No. 8..
		BRILES et al., "Mouse Antibody to Phosphocholine Can Protect Mice from Infection with Mouse-Virulent Human Isolates of Streptococcus pneumoniae", Infection and Immunity, May 1992, p. 1957-1962, Vol. 60, No. 5.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
		CAMARA et al., "A Neuraminidase from Streptococcus pneumoniae Has the Features of a Surface Protein", Infection and Immunity, Sept. 1994, p. 3688-3695, Vol. 62, No. 9.	
		CRAIN et al., "Pneumococcal Surface Protein A (PspA) Is Serologically Highly Variable and Is Expressed by All Clinically Important Capsular Serotypes of Streptococcus pneumoniae", Infection and Immunity, Oct. 1990, p. 3293-3299, Vol. 58, No. 10.	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
		CROOK et al., "Immunoreactivity of Five Monoclonal Antibodies against the 37-Kilodalton Common Cell Wall Protein (PsaA) of <i>Streptococcus pneumoniae</i> , Clinical and Diagnostic Laboratory Immunology, Mar. 1998, p. 205-210, Vol. 5, No. 2.
		DE, B.K. et al., "Baculovirus Expression, Purification and Evaluation of Recombinant Pneumococcal Surface Adhesin A of <i>Streptococcus pneumoniae</i> , Pathobiology, 1999;67:115-122.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
		TOYOS et al., "Functional Analysis of Pneumolysin by Use of Monoclonal Antibodies", Infection and Immunity, Feb. 1996, p. 480-484, Vol. 64, No. 2.	
		GILLESPIE et al., "Species of Alpha-Hemolytic Streptococci Possessing a C-Polysaccharide Phosphorylcholine-Containing Antigen", Infection and Immunity, July 1993, p. 3076-3077, Vol. 61, No. 7.	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS			<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
		KUO et al., "Characterization of a Recombinant Pneumolysin and Its Use as a Protein Carrier for Pneumococcal Type 18C Conjugate Vaccines", <i>Infection and Immunity</i> , July 1995, p. 2706-2713, Vol. 63, No. 7.	
		LEE et al., "Immunologic Epitope, Gene, and Immunity Involved in Pneumococcal Glycoconjugate", <i>Critical Reviews in Microbiology</i> , 23(2):121-142 (1997).	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
		LOCK et al., "Comparative efficacy of pneumococcal neuraminidase and pneumolysin as immunogens protective against <i>Streptococcus pneumoniae</i> ", <i>Microbial Pathogenesis</i> 1988; 5: 461-467.	
		LOMHOLT, "Evidence of Recombination and an Antigenically Diverse Immunoglobulin A1 Protease among Strains of <i>Streptococcus pneumoniae</i> ", <i>Infection and Immunity</i> , Nov. 1995, p. 4238-4243, Vol. 63, No. 11.	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
		McDANIEL et al., "Monoclonal Antibodies Against Protease-Sensitive Pneumococcal Antigens Can Protect Mice From Fatal Infection With Streptococcus Pneumoniae", J.Exp.Med. 1984.Aug.1. 160:368-397.	
		McDANIEL et al., "PspA, a Surface Protein of Streptococcus pneumoniae, Is Capable of Eliciting Protection against Pneumococci of More Than One Capsular Type", Infection and Immunity, Jan. 1991, p. 222-228, Vol. 59, No. 1.	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*

Docket Number (Optional)

**HOI-14402/16**

Application Number

**10/563,976**

Applicant(s)

**Sorensen et al.**

Filing Date

**1/9/2006**

Group Art Unit

**Unknown****U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS***(Including Author, Title, Date, Pertinent Pages, Etc.)*

		MITCHELL et al., "Comparison of pneumolysin genes and proteins from <i>Streptococcus pneumoniae</i> types 1 and 2", <i>Nucleic Acids Research</i> , Vol. 18, No. 13, May 11, 1990.
		NIELSEN et al., "Antibodies against pneumococcal C-polysaccharide are not protective", <i>Microbial Pathogenesis</i> 1993; 14: 299-305.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>	
				Applicant(s) <b>Sorensen et al.</b>			
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS		<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
		PATON et al., "Effect of Immunization with Pneumolysin on Survival Time of Mice Challenged with Streptococcus Pneumoniae", Infection and Immunity, May 1983, p. 548-552, Vol. 40, No. 2
		PATON et al., "Purification and Immunogenicity of Genetically Obtained Pneumolysin Toxoids and Their Conjugation to Streptococcus pneumoniae Type 19F Polysaccharide", Infection and Immunity, July 1991, p. 2297-2304, Vol. 59, No. 7.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HOI-14402/16

Application Number

10/563,976

Applicant(s)

Sorensen et al.

Filing Date

1/9/2006

Group Art Unit

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		RUSSELL et al., "Monoclonal Antibody Recognizing a Species-Specific Protein from Streptococcus pneumoniae", Journal of Clinical Microbiology, Oct. 1990, p. 2191-2195, Vol. 28, No. 10.
		SAMPSON et al., "Limited Diversity of Streptococcus pneumoniae psaA among Pneumococcal Vaccine Serotypes", Infection and Immunity, May 1997, p. 1967-1971, Vol. 65, No. 5.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HOI-14402/16

Application Number

10/563,976

Applicant(s)

Sorensen et al.

Filing Date

1/9/2006

Group Art Unit

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		SAMPSON et al., "Cloning and Nucleotide Sequence Analysis of psaA, the Streptococcus pneumoniae Gene Encoding a 37-Kilodalton Protein Homologous to Previously Reported Streptococcus sp. Adhesins", Infection and Immunity, Jan. 1994, p. 319-324, Vol. 62, No. 1.
		SORENSEN, "Pneumococcal polysaccharide antigens: capsules and C-polysaccharide", Danish Medical Bulletin, p.47-53

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HOI-14402/16

Application Number

10/563,976

Applicant(s)

Sorensen et al.

Filing Date

1/9/2006

Group Art Unit

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		SZU et al., "Rabbit Antibodies to the Cell Wall Polysaccharide of Streptococcus pneumoniae Fail to Protect Mice from Lethal Challenge with Encapsulated Pneumococci", Infection and Immunity, No. 1986, p. 448-455, Vol. 54, No. 2.
		SWIATLO, et al., "DNA Polymorphisms and Variant Penicillin-Binding Proteins as Evidence that Relatively Penicillin-Resistant Pneumococci in Western Canada Are Clonally Related", J.Infect.Dis. 174:884-888.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

HOI-14402/16

Application Number

10/563,976

Applicant(s)

Sorensen et al.

Filing Date

1/9/2006

Group Art Unit

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		SORENSEN et al., "Cross-Reactions between Pneumococci and Other Streptococci Due to C Polysaccharide and F Antigen", Journal of Clinical Microbiology, Oct. 1987, p. 1854-1859.
		TAI et al., "Characterization of Hemin Binding Activity of Streptococcus pneumoniae", Infection and Immunity, Mar. 1997, p. 1083-1087, Vol. 65, No. 3.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>HOI-14402/16</b>	Application Number <b>10/563,976</b>
		Applicant(s) <b>Sorensen et al.</b>	
		Filing Date <b>1/9/2006</b>	Group Art Unit <b>Unknown</b>

*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
	TALKINGTON et al., "A 43-Kilodalton Pneumococcal Surface Protein, PspA: Isolation, Protective Abilities, and Structural Analysis of the Amino-Terminal Sequence", Infection and Immunity, April 1991, p. 1285-1289, Vol. 59, No. 4.		
	TALKINGTON et al., "Protection of mice against fatal pneumococcal challenge by immunization with pneumococcal surface adhesin A (PsaA), Microbial Pathogenesis 1996; 21: 17-22.		
	THARPE et al., "Purification and Seroreactivity of Pneumococcal Surface Adhesin A (PsaA)", Clinical and Diagnostic Laboratory Immunology, Mar. 1996, p. 227-229, Vol. 3, No. 2.		
	SIMELL, et al., "Pneumococcal Carriage and Otitis Media Induce Salivary Antibodies to Pneumococcal Surface Adhesin A, Pneumolysin, and Pneumococcal Surface Protein A in Children", Journal of Infectious Diseases, 2001: 183:887-96.		
	RAPOLA, et al., "Natural Development of Antibodies to Pneumococcal Surface Protein A, Pneumococcal Surface Adhesin A, and Pneumolysin in Relation to Pneumococcal Carriage and Acute Otitis Media", The Journal of Infectious Diseases 2000: 182:1146-52.		
	SAMPSON et al., "Immunologic Characterization of a Monoclonal Antibody to Streptococcus pneumoniae Pneumococcal Surface Adhesin A (PsaA) Protein", Abstracts of the General Meeting of the American Society for Microbiology 99:273.		
	RUSSELL et al., "Monoclonal Antibody Recognizing a Species-Specific Protein from Streptococcus pneumoniae", Journal of Clinical Microbiology, Oct. 1990, p. 2191-2195, Vol. 28, No. 10.		
	SRIVASTAVA et al., "Selection of an Immunogenic and Protective Epitope of the PsaA Protein of Streptococcus pneumoniae Using a Phage Display Library", Hybridoma, Volume 19, Number 1, 2000.		
	PILISHVILI et al., "Neutralization of Attachment of Streptococcus pneumoniae to Human Epithelial Cells by Recombinant PsaA and Anti-PsaA and Anti-bodies", Abstracts of the General Meeting of the American Society for Microbiology 101:346.		
	VAN DER POL et al., "Pneumococcal Capsular Polysaccharide-Specific IgA Triggers Efficient Neutrophil Effector Functions via FcαRI (CD89)", Journal of Infectious Diseases, 2000; 182:1139-45.		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">EXAMINER</td> <td style="width: 50%;">DATE CONSIDERED</td> </tr> </table>		EXAMINER	DATE CONSIDERED
EXAMINER	DATE CONSIDERED		

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.